



Figure 6-figure supplement 1.
Loss of ryanodine receptors results in the improvement of neurodegeneration in *sel-12* null animals. (A) Quantification of mitochondrial Ca^{2+} using animals expressing mito::GCaMP6 and mCherry in their mechanosensory neurons (*takEx415*). (B) Basal and (C) maximal respiration rates of wild type, *sel-12*, and *unc-68; sel-12(ty11)* mutant animals at day 1 of adulthood. (D) Quantification of aberrant structures (sprouts/branches) on ALM neuronal soma and (E) frequency of breaks in ALM and PLM neuronal processes at day 1 of adulthood. n = number of animals analyzed per genotype. Data are displayed as mean \pm SEM, and all comparisons have been made to wild type animals unless otherwise indicated. ns $P > 0.05$, *** $P < 0.0001$ (One way ANOVA with Tukey test).